B.C. Timber Sales

Sustainable Forest Management (SFM)

Plan

April, 2005

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VISION STATEMENT

The Sustainable Forest Management Plan will foster forest management practices - based on a balance of science, professional judgment and local and First Nations input - that sustain the long-term health and productivity of forest ecosystems while contributing to a strong economy and thriving communities throughout the Kamloops Timber Supply Area.

EXECUTIVE SUMMARY

Executive Summary

Between February and June 2000 the forest tenure holders ("licensees") operating in the Kamloops Timber Supply Area worked with a group of public and First Nation representatives (the SFM Advisory Group) to develop a Sustainable Forest Management (SFM) Plan.

Members of the SFM Advisory Group represented a cross-section of local interests including recreation, tourism, ranching, forestry, conservation, water, community, and First Nations.

The SFM Plan includes a set of values, objectives, indicators and targets that address environmental, economic and social aspects of forest management in the Kamloops TSA. The Plan is based on the Canadian Standards Association (CSA) Sustainable Forest Management; Requirements and Guidance, which is one of the primary certification systems currently being used in British Columbia. The CSA system sets performance indicators and targets over a defined forest area to reflect local and regional interests. Consistent with most certifications, the CSA standards expect compliance with existing forest policies, laws and regulations.

Following completion of the SFM Plan and the development of an environmental management system, a licensee may apply for registration of its operating area under the CSA standard. Participants being registered to the CSA standard will be audited by an eligible independent third party auditor.

The SFM Plan is an evolving document that will be reviewed and revised on an annual basis with the SFM Advisory Group to address changes in forest condition and local community values. All forest tenure holders are committed to the achievement of the SFM Plan and each year the SFM Advisory Group will review an annual report prepared by licensees to assess achievement of performance measures. This monitoring process will provide the licensees, public and First Nations with an opportunity to bring forward new information and to provide input concerning new or changing public values that can be incorporated into future updates of the SFM Plan.

The BCTS Regional SFM Plan is a subset of the TSA Plan and is completely aligned with it. Differences to the TSA Plan include details of the defined forest area and related forest inventory information, as well as the specific means of carrying out the plan by BCTS. The current years digital copy of the plan, is available at the following website:

http://www.for.gov.bc.ca/bcts/areas/TKA.htm

The Kamloops TSA sustainable forestry website contains the latest information on the process – including SFM Plan – and can be viewed at:

http://www.for.gov.bc.ca/dka/TSASustainableForestry.htm

1.0 INTRODUCTION AND OVERVIEW

The Sustainable Forest Management Plan is a "roadmap" to current and future strategies related to long-term performance. The performance measures have been developed using the CAN/CSA *Z809, A Sustainable Forest Management System: Specifications Document* and updated to the CAN/CSA Z809 2002 Standard. This document describes the various components of the plan as it relates to BCTS's Defined Forest Area in the Kamloops Timber Supply Area (TSA).

Process:

Forest tenure holders in the Kamloops TSA have developed the Kamloops TSA Sustainable Forest Management Plan based on components of the CAN/CSA Z809, utilizing advice and recommendations provided by the public advisory group. The Plan provides management direction to all Crown lands within the TSA. All twelve licensees operating within the Kamloops TSA worked with the public advisory group to develop performance measures (values, objectives indicators and targets) for the TSA Sustainable Forest Management Plan. Development of the performance measures was related to the broad TSA level as well as the individual licensee operating areas. Having all licensees represented during the development of a single Plan, helped to address the complexities of overlapping licenses and volume based harvesting tenures within the TSA. More importantly, all licensees are committed to the achievement of the Plan and will annually report on their performance.

Forest licensees will compile an annual report to summarize achievement of performance measures. Annual monitoring of the achievement of the TSA plan and comparing actual results to desired goals, enables the effectiveness of the plan to be critiqued and continually improved. The advisory group will be consulted annually on the suitability and effectiveness of the selected plan indicators and objectives. Changes to the TSA SFM Plan as a result of these discussions will be documented along with the timelines for implementing the change.

Described within the TSA Sustainable Forest Management Plan are description of values and objectives, links to other planning processes and summary of publicly developed values, objectives, indicators, and targets. As well, the documentation related to the public group including the Terms of Reference and any key decisions are located in the Kamloops Timber Supply Office. BCTS is committed to the TSA SFM Plan in its entirety. The TSA SFM Plan, annual performance reporting and meeting summaries are available at the following website: http://www.for.gov.bc.ca/dka/TSASustainableForestry.htm

BCTS's Sustainable Forest Management (SFM) Plan is completely aligned with the TSA Plan. Differences to the TSA Plan include definition of the defined forest area and related forest inventory information, as well as the specific means of carrying out the plan BCTS. BCTS will annually report the results of its SFM Plan to the public advisory group concurrently with the TSA SFM annual report. Any changes made to values, objectives, indicators and targets of the TSA SFM Plan will also be made to the Regional SFM Plan.

The BCTS Sustainable Forest Management (SFM) Plan includes three sections:

Section 1.0 Introduction and overview

Section 2.0 Defined Forest Area

Section 3.0 Indicators, Objectives, Variances

Additionally, the SFM Plan includes two appendices:

Appendix 1 Defined Forest Area Map

Appendix 2 SFM Plan Reporting Format

2.0 DEFINED FOREST AREA

The Defined Forest Area for BCTS operations is located in the Kamloops Timber Supply Area (TSA). The specific boundary of the defined area is contained within the GIS and has been agreed upon by all Licensees and by Government. A map of the area is shown in Appendix I.

The Defined Forest Area is based on BCTS traditional chart area within the TSA. In addition, BCTS does operate throughout the TSA and has operations that overlap adjacent licencee areas. BCTS sells the authority to harvest developed timber, and construct roads through Timber Sale Licences (TSL). Through the sale of these TSL, BCTS grants the holder of licence the right to harvest and sell the timber and construct roads. The TSL requires the holders to follow BCTS EMS and SFM requirements. BCTS maintains the obligations to plan development, maintain roads, and reforest harvested areas covered by TSLs. Included within this Defined Forest Area are Crown Lands excluding Woodlot Licences. Contained within this area, but also excluded from the defined forest area are all private lands. Much of the defined forest area is not available for harvesting, including parks, inoperable areas, and non-productive areas.

The BCTS Chart areas cover 270,431 gross hectares and have an Allowable Annual Cut of 450,452m3/yr. This volume comes from a mix of age classes and species types within the coniferous dominated stands. The distribution of age classes is weighted towards forests greater than 100 years of age (63%+), and 27% greater than 250 years. This distribution is possibly influenced by human intervention for fire suppression. Coniferous tree species comprise 95% of the forest types. The area where operations occur outside of the traditional BCTS chart areas has not been included in the total gross area due to overlapping other licencees DFAs.

The Defined Forest Area is all Crown land, therefore all harvesting and related development must be proposed, referred to the public, and approved by the appropriate Government agencies. All activities must be consistent with all government regulations, as well as government regional and subregional planning direction, such as the Kamloops Land and Resource Management Plan (LRMP) and Local Resource Use Plans (LRUP). BCTS incorporates any applicable regulation, direction and information into its Forest Development Plans and Forest Stewardship Plans which are referred, where necessary, to the public for comments.

3.0 INDICATORS, TARGETS AND VARIANCES

The values and objectives developed with the public advisory group for the Kamloops TSA SFM Plan apply at the TSA level as well as at the licensee specific operating area level. In an SFM Plan it is the indicators and targets that provide the performance measures that are to be met through on-the-ground forest management activities. This section duplicates the detailed description of each indicator and target found in the SFM Plan for the Kamloops TSA. Additionally, it clarifies monitoring procedures and assigns responsibilities for each. Information related to the strategies, current status and forecasting of each indicator is provided for in the TSA SFM Plan or previous monitoring reports and is not repeated in this Regional Plan. Full compliance is required for many targets i.e.; there is no variance. Where full compliance may not be achievable, an acceptable level of variance is indicated for the objective.

BCTS will monitor the achievement of targets annually. The format for the annual report is shown in Appendix 2.

INDICATORS

Indicator	**(1) Achievement of the TSA's old forest strategy.**
Target	Operations will respect the LRMP's objectives for retaining old forest as a component of seral stage distribution by landscape unit
Monitoring & Measurement Periodic	Part of periodic Timber Supply Review ▪ Protected Areas and Old Growth Management Areas area calculations ▪ Age class distribution of old forests are forecast to monitor impacts on the landscape
Annual	Licensees will report a yes/no answer if they have respected and are living up to the intent of the direction set forth in the LRMP relating to old forest retention. Support for this determination will include the identification and updating of OGMA's within GENUS. Forest Development Plan reviews will document any conflicts between OGMA's and planned development.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(2) Level of conformance to riparian management area and lakeshore commitments contained within plans[1].**
Target	100 percent conformance to riparian and lakeshore commitments made within plans.
Monitoring & Measurement Periodic	Age class distribution of old forests are forecast as part of periodic Timber Supply Review to monitor impacts on the landscape.
Annual	Licensees will report the number of riparian and lakeshore related non conformances to plans occurring during the reporting year as compared to the gross area of cutblocks that were harvested that had riparian management areas within or adjacent to them. To enable reporting the following will occur: 1. Utilize GENUS to generate the gross area harvested of cutblocks having riparian management areas within or adjacent to them during the reporting year. 2. Utilize GENUS Environmental to track non-conformances and utilize GENUS Environmental in determining riparian and lakeshore related non-conformances.
Variance	Minus 5 percent. Variance to accommodate nonconformance to plans that have little or no impact to the environment and/or to the social and ecological objectives of lakeshore areas.
Responsibility to report	Practices Forester
Indicator	**(3) Level of FPC compliance with caribou strategies.**
Target	Full compliance with FPC & LRMP caribou strategy.
Monitoring & Measurement Periodic	Age class distribution of old forests are forecast as part of periodic Timber Supply Review to monitor impacts on the landscape.
Annual	Licensees will report the area (ha) harvested meeting LRMP caribou strategies against the area harvested within the LRMP caribou strategy area during the reporting year. To enable this, the following steps will occur: 1. Caribou strategy area will be identified and kept updated within GENUS. 2. GENUS will be used to generate the annual harvest summary of areas that were harvested within Caribou habitat. 3. GENUS Environmental will be used to track any non-conformances and utilized to determine if non-conformances occurred, related to the caribou strategies described in plans. 4. The Forest Development Plan will identify any approved variances.
Variance	As provided for within the legal framework. The statutory decision maker may approve variances from standard requirements provided adequate rationale is provided and long-term objectives continue to be met.
Responsibility to report	Planning Forester

[1] Plans prepared by licensees are in accordance with legal and LRMP requirements

Indicator	**(4) Percent of cutblocks greater than 5 hectares that have individual wildlife trees/stubs and/or associated wildlife tree patches upon completion of harvest.**
Target	Provision for the location and distribution of patches or individual wildlife/leave trees by ensuring 80 percent of cutblocks greater than 5 hectares will have individual wildlife trees/stubs and/or associated wildlife tree patches.
Monitoring & Measurement Periodic	Distribution of age classes as a result of wildlife tree retention are forecast as part of the Timber Supply Review.
Annual	Licensees will report, for cutblocks greater than 5 hectares, the number of cutblocks with wildlife tree patches within the cutblock and/or individual trees/stubs within the cutblock versus the total number of cutblocks greater than 5 ha in size upon completion of harvest, during the reporting year. To enable this, the following steps will occur: 1. GENUS will be used to generate the list of blocks where harvest was completed. 2. GENUS will provide a list of those blocks that contain wildlife tree patches and / or silviculture systems that prescribe reserve trees (i.e. clearcut with reserve, partial cut, seed tree, etc.). 3. Harvested blocks not identified by GENUS as having reserve trees within the block, will be cross referenced to the Forest Development Plan, Silviculture Prescription, Site Plan.
Variance	Acceptable range is between 70 percent and 100 percent. Variances are provided for within the *Provincial Wildlife Tree Policy and Management Recommendations* (February 2000).
Responsibility to report	Practices Forester

Indicator	**(5) Percent of cutblocks consistent with coarse woody debris requirements in plans.**
Target	100 percent of cutblocks will be consistent with coarse woody debris requirements contained in plans.
Monitoring & Measurement Periodic	Timber Supply review to ensure no timber supply impact.
Annual	Licensees will report on the number of cutblocks where the Coarse Woody Debris (CWD) requirements contained in plans were followed in the reporting year. This number will be compared to the number of cutblocks harvested during the reporting year. To enable this, adherence to CWD commitments will be verified during final inspections upon completion of harvest for inclusion into GENUS. Any Non-conformances where the target was not achieved will be entered into GENUS EMS. These non-conformances will indicate the target was not achieved.
Variance	None
Responsibility to report	Practices Forester
Indicator	**(6) Average regeneration period from time of harvest.**
Target	Regeneration established within three years or less on average from time of harvest.
Monitoring & Measurement Periodic	Regeneration delay information (eventually effects age class distribution) is utilized in Provincial Timber Supply Review. Ministry of Forests is responsible for forecasting of key dates such as regeneration delay and free growing based on specific biogeoclimatic information for each site. To enable this, GENUS will be queried, including natural regen blocks.
Annual	Licensees will report the average time (weighted by area) for regeneration establishment on areas where regeneration delay was declared during the reporting period based on the difference between the harvest commencement date and the date regeneration of the cutblock was successfully completed (based on survey date) for planted and naturally regenerated blocks.
Variance	12 months beyond the 3-year target.

Responsibility to report	Practices Forester

Indicator	**(7) Level of compliance with management strategies for all known rare ecosystems.**
Target	Full Compliance with management strategies for all known rare ecosystems.
Monitoring & Measurement Periodic	
Annual	If licensees have any known rare ecosystems identified within their operating areas, they will report the number of known rare ecosystems in the operating area versus the number of known rare ecosystems where management strategies were followed. Where no activity or planned activity occurred in/around a known rare ecosystem, strategies are considered to be "followed". Should known information be provided to us by government authorities (known information is defined in the TSA SFM Plan), it will be incorporated into GENUS.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(8) Level of conformance with management strategies for all identified wildlife (under IWMS).**
Target	100 % conformance with management strategies for those species identified in the Identified Wildlife Management Strategy.
Monitoring & Measurement Periodic	
Annual	If BCTS have any Identified Wildlife Management Strategy (IWMS) species identified within their operating areas, they will report using GENUS: • the area harvested within IWMS areas,: • whether the harvest areas had strategies to manage for the identified wildlife in plans, and • whether the plans were followed. Where no activity or planned activity occurred in/around an IWMS cutblock, strategies are considered to be "followed". Identified wildlife and their management strategies will be incorporated into subsequent operational plans as they become known information.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(9) Age class distribution for coniferous species and percent of land base for broad leaf species.**
Target	No net loss for broad leaf species
Monitoring & Measurement Periodic	
Annual	Information on age class distribution for coniferous species and percent of the land base for broad leaf species will be derived from the Timber Supply Review for the entire TSA. This data is assembled periodically in conjunction with the TSR, however results will be reported annually and trends will emerge as the number of years of reporting data accumulates. To enable this, the following steps will occur: 1. Inventory data will be updated in preparation for Timber Supply Analysis (MoF role with input from others including licensees). 2. Publicly available timber supply review data (TSA level) will be reported on.
Variance	5% reduction in broad leaf species (uncontrolled events associated with licensee operations: forest pests etc)
Responsibility to report	Planning Forester

Indicator	**(10) Annual percent of harvested areas in permanent access structures (e.g. roads and landings).**
Target	Less than 6 percent, on average, of harvested areas will be in permanent roads and landings.
Monitoring & Measurement Periodic	Permanent access structures percent (NPUNN) are utilized in Provincial Timber Supply Review forecasts.
Annual	Licensees will report the area (ha) of permanent roads and landings identified in plans[2] over gross block area (ha) for cutblocks harvested during the reporting year, using information contained within Licensee plans. To enable this, the following steps will occur: 1. Utilize GENUS to provide the gross block area for cutblocks harvested during the reporting period. From those, utilize GENUS to provide the planned area of permanent access structures based on the SP calculated levels (not maximum). 2. GENUS Environmental will track environmental incident reports and will utilize this file in determining non conformance with permanent access commitments.
Variance	None
Responsibility to report	Practices Forester

[2]If Ministry of Forests inspection reports the plan number has been exceeded, the actual number will be used in the report.

Indicator	**(11) Annual harvest level relative to annual allocation.**
Target	Harvest the annual cut allocation for the year consistent with the Cut Control Regulation and Policy.
Monitoring & Measurement Periodic	The next determination by the Chief Forester is anticipated in 2008. Periodic Timber Supply Review (TSR)
Annual	BCTS will report the harvest level allocated for the District Timber Sale Program based on the BCTS Sales Plan. The level of actual annual harvest for the past reporting year will be reported based on volume of timber BCTS has sold during the reporting period.
Variance	None
Responsibility to report	Area Forester

Indicator	**(12) Incorporation of traditional knowledge, non-timber resources, and cultural and spiritual values in forest planning, where available.**
Target	12a: Open communications with local First Nations during Operational Plan reviews will include consideration of and will manage for, where appropriate traditional knowledge, non-timber resources, and cultural and spiritual values. 12b: TSA Licensees respond to all written requests for communication from First Nations. 12c: Incorporation of traditional knowledge, non-timber resources, and cultural and spiritual values in forest planning, where available.
Monitoring & Measurement Periodic	
Annual	BCTS will report: • Number of meetings and meaningful communications with First Nations that included management and protection of traditional knowledge, non-timber resources, and cultural and spiritual values; and, • Number of cutblocks where specific actions were requested and were taken, using traditional knowledge where available, to manage for and/or protect non-timber resources, and cultural and spiritual values. • BCTS will report on the number of written requests for communication from First Nations versus the number of responses made to First Nations. Reporting is on a one to one ratio (one response for each request) To enable this, documentation of First Nations discussions related to development identified in the FDP will be placed on the FDP file. Any agreed upon changes to road or cutblock plans as a result of these discussions will be reflected in operational plans.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(13) Level of conformance to soil conservation commitments contained within plans.**
Target	100 percent conformance to soil conservation measures contained within plans
Monitoring & Measurement Periodic	
Annual	BCTS will report the area (hectares) where soil disturbance commitments were not achieved as compared to the total net area of cutblocks that were harvested during the reporting year. To enable reporting the following will occur: 1. GENUS Environmental will track incident reports for cutblocks where soil disturbance exceed Site Plan limits. These incident reports will be used in determining non-conformance with soil disturbance commitments. 2. Utilize GENUS to provide the total net area of cutblocks where harvesting was completed during the reporting period.
Variance	None
Responsibility to report	Practices Forester

Indicator	**(14) Number of months for road cut and fill slope seeding application.**
Target	All planned road cut and fill slope seeding application carried out within 12 months of completed road construction on suitable sites
Monitoring & Measurement Periodic	
Annual	BCTS will report the average time for road cut and fill slope seeding application on areas of new road construction during the reporting year. To enable this, records are entered into GENUS on completion of new road construction as well as date that roads were seeded.
Variance	3 months
Responsibility to report	Area Forester

Indicator	**(15) Percent of status roads inspected in accordance with schedule.**
Target	Manage water quality and erosion control by ensuring that 100 percent of status roads (temporary and permanent) are assessed for level of risk and that the frequency of inspections occurs at planned levels commensurate with level of risk.
Monitoring & Measurement Periodic	
Annual	BCTS will report on the number of kilometers of status roads and the number of those that have been assigned a risk rating for the purpose of inspections. BCTS will also report on the number of road inspections made against the plan for high, moderate and low risk. To enable this, Area Forester will utilize GENUS to maintain an inventory of status roads and their associated risk rating. Temporary roads will generally not be entered into the system as they are rehabilitated shortly after use. Thus, only temporary roads entered into GENUS (ie. roads being held over for a few years) will be reported on. Completed road inspections will be entered into the GENUS to enable scheduling and reporting of performance against planned inspections.

Variance	Minus 2 percent for high risk rated roads, minus 10 percent for moderate risk and minus 20 percent for low risk.
Responsibility to report	Area Forester

Indicator	**(16) Level of participation in the annual reporting of results and the number of advisory group meetings held annually.**
Target	100 percent participation in the SFM Plan monitoring process and hold at least one meeting per year with the SFM Public Advisory Group to review results.
Monitoring & Measurement Periodic	
Annual	BCTS will report a yes/no answer they contributed to the annual report and a yes/no answer if they participated in a meeting with the SFM Public Advisory Group. To enable this, meeting summaries will be retained as evidence of meetings held.
Variance	None
Responsibility to report	Certification Standards Officer

Indicator	**(17) Number of registrations to a recognized third party certification.**
Target	Maintain and/or increase the number of registrations to a recognized third party certification.
Monitoring & Measurement Periodic	
Annual	BCTS will report the number of registrations to a recognized third party certification that apply over the TSA area for the reporting period.
Variance	None
Responsibility to report	Certification Standards Officer

Indicator	**(18) Protected Ecosystems**
Target	12% protected areas
Monitoring & Measurement Periodic	Current status is provided as part of periodic Timber Supply Review. Reported on a TSA basis.
Annual	BCTS report the current Protected Area status as last reported by a Timber Supply Review.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(19) Percent of affected ranchers with whom meetings are held.**
Target	Where forest operations are planned within range units, the forest licensee will meet annually with the rancher to help ensure forest operations will not adversely affect existing animal unit months (AUMs).
Monitoring & Measurement Periodic	

Annual	BCTS will report percent of ranchers affected by planned operations that were communicated with during the reporting period To enable this, documentation of annual (or more frequent) discussions will be retained on the Forest Development Plan
Variance	Minus10 percent of 90 percent target
Responsibility to report	Planning Forester

Indicator	**(20) Level of conformance to strategies in plans designed to achieve preservation, retention and partial retention of visual quality objectives.**
Target	100 percent conformance to strategies contained in plans.
Monitoring & Measurement Periodic	One or more of the following processes can be followed to determine if a harvested area meets visual quality objectives: a internal evaluation of compliance with visual quality objectives by licensees; b inspections by the Ministry of Forests
Annual	BCTS will report on the number of harvested blocks that achieve the visual intent as described in plans versus the number of blocks harvested within the past year that had preservation, retention or partial retention visual quality objectives. To enable this, GENUS will be used to query the number of cutblocks where harvesting has been completed within areas that have stated visual objectives (preservation, retention or partial retention). GENUS Environmental will track any non-conformances where harvesting did not achieve the visual intent as described in plans. Where there are no non-conformances related to failing to achieve the visual intent of the plans, then BCTS will report the 100% conformance to achieving the visual intent as described in the plans.
Variance	Minus 5 percent.
Responsibility to report	Practices Forester

Indicator	**(21) Mean Annual Increment** (MAI)
Target	Maintain the long term productivity of the forest as measured by the mean annual increment (m3/ha/yr) for Lodgepole pine.
Monitoring & Measurement Periodic	Information required for reporting is provided as part of Timber Supply Review completed periodically. Beginning and end of simulation data is to be plotted over successive periods to confirm achievement of target.
Annual	BCTS report the current MAI as last reported by a Timber Supply Review.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(22) Forest age class distribution**
Target	Maintain a stable forest age class distribution on the timber harvesting land base. Each age class to 100 years old [1 (0 to 20), 2 (21-40), 3 (41-60), 4 (61 to 80) and 5 (81 to 100)] occupies at least 8.5% of the timber harvesting land base.
Monitoring & Measurement Periodic	Current status and future forecast of age class distribution is provided as part of Timber Supply Review, completed periodically.
Annual	BCTS report the current age class distribution as last reported by a Timber Supply Review.
Variance	Attaining age class balance earlier a benefit. Later – 20 years.
Responsibility to report	Planning Forester

Indicator	**(23) The number of working relationships with applicable First Nations.**
Target	Maintain and/or increase the number of working relationships (partnerships, joint ventures, cooperative agreements, memorandum of understanding, or business contracts) with First Nations.
Monitoring & Measurement Periodic	
Annual	BCTS will report on the number of working relationships with applicable First Nations (partnerships, joint ventures, co-operative agreements, memorandums of understanding, or business contracts over $5,000 or over 500 cubic meters in volume) during the reporting year. Examples of a business contract include a work agreement or a direct timber sale with a First Nation Band or First Nation Contractor[3]. For consistency in reporting, count multiple work agreements with one band or contractor or direct sales with one band or contractor as a single business contract. For example, multiple work agreements or multiple direct sales would count as a single business contract if they occurred with the same band or contractor. Licensees will report this figure as a rolling three year average. For annual reporting, the information for the current year will be combined with the previous two years reporting, then averaged for the three years. Examples of working relationships will be provided to indicate possible trends in the types of these relationships.
Variance	None
Responsibility to report	Planning Officer

Indicator	**(24) Number of classroom or field visits by licensees to elementary, secondary, and post-secondary school levels.**
Target	The TSA Licensees will maintain educational support to forestry programs at the elementary level, secondary and post-secondary levels that lead to a balanced and broad-based understanding of forestry. Target 40 actions per year (visits, field trips, information provision, etc).
Monitoring & Measurement Periodic	
Annual	BCTS will report on the number of classroom or field visits during the reporting year. The number of classroom visits are tracked within field team and planning team minutes.
Variance	None
Responsibility to report	Planning Forester

Indicator	**(25) Participation with First Nations to implement and improve upon the revised Archaeological Overview Assessment model and process.**
Target	TSA Licensees will participate with First Nations to implement and improve upon the revised Archaeological Overview Assessment model and process.
Monitoring & Measurement Periodic	
Annual	BCTS will report on the number of cutblocks where an AOA was conducted. BCTS will report on the number of cutblocks where the AOA included a field visit. To enable this, documentation of AOA's and field visits will be retained on file.

[3] First Nation Contractor is a company where one or more of the principles are of First Nations decent.

Variance	None
Responsibility to report	Planning Forester

Indicator	**(26) Participant satisfaction survey**
Target	26a. 80% of responses "3" or better 26b. All written comments, and all line responses averaging less than 3 become action items
Monitoring & Measurement Periodic	
Annual	Survey responses coded 1 (poor), 2, 3 (satisfactory), 4, 5 (well done) Results of PAG feedback form compiled and reported as part of annual monitoring program.
Variance	None
Responsibility to report	Certification Standards Officer

Indicator	**(27) Public awareness of the SFMP**
Target	27a: Licensees will keep members of the public informed of TSA strategies being developed, and planning occurring by: • Maintaining a website • Circulating SFMP and other information to the public at least annually (news release/leaflet/open house/LRUP etc.) 27b: TSA Licensees respond to all written requests from the public for communication within 30 days of their receipt.
Monitoring & Measurement Periodic	
Annual	27a: BCTS will report a yes/no answer as to whether the web site is being maintained, and whether SFMP and other information was made publicly available in the last year. Similar to Indicator 28 27b: BCTS will report on the number of responses sent out by licensees compared to the number of written requests for communication. Report the average timeline for response. Documentation will be kept in the Communications Tracking Module.
Variance	27a: None 27b: None
Responsibility to report	Certification Standards Officer

Indicator	**(28) Number of opportunities/ avenues for public participation in decision-making processes.**
Target	28a TSA Licensees will provide opportunities/avenues for public participation in decision-making processes through participation in: • LRMP committees (strategic level); • 70 percent of Local Resource Use Plan meetings (local level); • Forest Development Plans (FDPs) (operational level) (number of meetings); and, • Community meetings (number of meetings). 28b: TSA Licensees respond to all written requests from the public for communication within 30 days of their receipt.
Monitoring & Measurement Periodic	
Annual	BCTS will report a yes/no answer as to whether their interests were represented at LRMP meetings, the number of LRUP meeting attended against the number held within their operating area, the number of FDP review meetings attended and the number of community meetings held or attended for the reporting period. Documentation for LRMP, LRUP and Community meeting is kept at the Kamloops TSO. BCTS will report on the number of responses sent out compared to the number of written requests for communication. Report the average timeline for response. Documentation will be kept in the Communication Tracking Module and/or FDP file.
Variance	28a: No variance in meeting targets for LRMP involvement; • Minus 10 percent or plus 30 percent variance of the 70 percent target for attending LRUP meetings; • No variance for Forest Development Plans[4]; and • No variance for community meetings[5]. 28b: None
Responsibility to report	Planning Forester

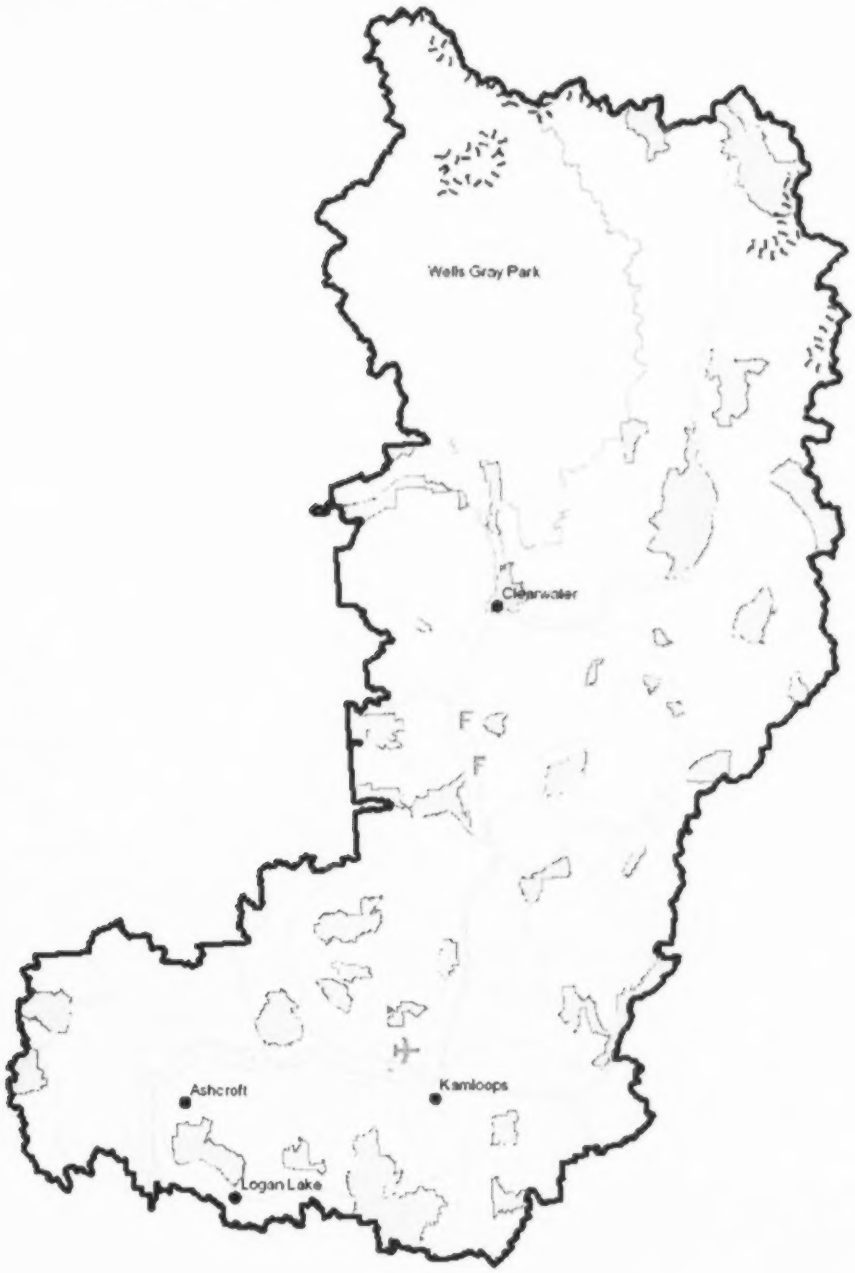
[4] Forest Development Plans (FDP) meetings are held by licensees to present information to the public or may be held at the request of the public to address a specific resource management issue related to the FDP.

[5] All integrated resource management (IRM) meetings proposed by licensees or where licensees are requested to attend IRM meetings by local community interests.

Indicator	**(29) Report on number of research and extension initiatives licensees have participated in.**
Target	29a: TSA licensees will participate in research and extension activities. 29b: Identify priorities for reinvestment in the forest sector through the TSA committee annual review and support of research programs and strategies.
Monitoring & Measurement Periodic	
Annual	BCTS will report a yes/no answer with respect to their direct or indirect representation on the Forest Research Extension Partnership. Licensees will report a yes/no answer as to whether their TSA wide research results were shared with members of the public advisory group. Licensees will provide an indication of the type of research that is being undertaken and the value and applicability of this research to sustainable forest management.
Variance	None
Responsibility to report	Planning Forester

APPENDIX I Map of DFA

Shaded areas are BCTS traditional chart areas.



Scale 1:1,250,000

APPENDIX 2 SFM Plan reporting format

The following table is the reporting form that BCTS will use when reporting the results of monitoring the SFM Plan. The Plan will be monitored and reported on annually. The information will also contribute to an annual report by all licensees for the TSA. The SFM Advisory Group will be provided copies of the annual report for their review and comment.

Kamloops TSA Sustainable Forest Management Plan Annual Report

Name of licensee: _____

Reporting year: _____

Tar #	Monitoring parameter	Monitoring results
1	Have Licensees respected and are they living up to the intent of the direction set forth in the LRMP relating to old forest retention?	Yes _____ No _____
2	Licensees will report on the number of riparian and lakeshore non conformances to plans occurring during the reporting year as compared to the gross area harvested of cutblocks having riparian management areas within or adjacent to them. Variance: To accommodate non conformance to plans that have little or no impact to the environment and/or to the social and ecological objectives or lakeshore areas.	Number of riparian and lakeshore non conformances to plans _____ Gross area harvested of cutblocks having RMAs within/adjacent: _____

Tar #	Monitoring parameter	Monitoring results
3	Area (ha) harvested meeting LRMP caribou strategies against the area harvested within the LRMP caribou strategy area during the reporting year. Variance: As provided for within the legal framework. The statutory decision maker may approve variances from standard requirements provided adequate rationale is provided and long-term objectives continue to be met.	Number of hectares meeting caribou strategies _____ Area harvested within caribou resource management zones _____
4	For cutblocks greater than 5 hectares, the number of cutblocks with wildlife tree patches within or parented to the cutblock and/or individual trees/stubs within the cutblock, versus the total number of cutblocks greater than 5 ha in size upon completion of harvest, during the reporting year. Variance: Acceptable range is between 70 percent and 100 percent.	Number of cutblocks with WTPs _____ Total number of cutblocks harvested _____
5	Number of cutblocks where the Coarse Woody Debris (CWD) requirements contained in Licensee plans were followed compared to the number of cutblocks harvested, during the reporting year.	Number of cutblocks where CWD requirements were followed _____ Number of cutblocks harvested _____
6	The average time (weighted by area) for regeneration establishment on areas where regeneration delay was declared during the reporting period. Variance: 12 months beyond the 3-year target	Average time for regeneration establishment[6] (months) _____

[6] For natural regeneration, average age of trees from the first survey and for artificial regeneration, date of initial planting.

Tar #	Monitoring parameter	Monitoring results
7	The number of known rare ecosystems in the operating area versus the number of known rare ecosystems where management strategies were followed. **Where no activity or planned activity occurred in around a known rare ecosystem, management strategies are considered to be "followed".*	Number known rare ecosystems in the operating area _____ Number known rare ecosystems where management strategies were followed*_____
8	The area harvested within IWMS areas, whether the harvest areas had strategies to manage for the identified wildlife in plans, and whether the plan was followed. Did harvest areas have strategies to manage for the identified wildlife in plans? Was the plan followed? **Where no activity or planned activity occurred in around IWMS cutblocks, management strategies are considered to be "followed".*	Area (ha) harvested within IWMS areas _____ Yes _____ No _____ Yes _____ No _____
9	Age class distribution for coniferous species. Percent of the land base for broad leaf species.	See Indicator 22 information Land base ha. and broad leaf ha. (data to come from current TSR).
10	Area (ha) of permanent roads and landings identified in Licensee plans over gross block area (ha) for cutblocks harvested during the reporting year, using information contained within Licensee plans.[7]	Number of hectares of roads and landings within harvested areas _____ Gross block area (ha) _____

[7] If Ministry of Forests inspection reports the plan number has been exceeded, the actual number will be used in the report.

Tar #	Monitoring parameter	Monitoring results
11	Harvest level allocated for each licensee and harvest level cut (cut control volume) for the past reporting year. Variance: According to Cut Control Regulation and Policy	Allocated harvest level _____ Cut control volume _____
12	Licensees will report: • Number of meetings and meaningful communications with First Nations that included management and protection of traditional knowledge, non-timber resources, and cultural and spiritual values; and, • Number of cutblocks where specific actions were requested and were taken, using traditional knowledge where available, to manage for and/or protect non-timber resources, and cultural and spiritual values. • Licensees will report on the number of written requests for communication from First Nations versus the number of responses made to First Nations. Reporting is on a one to one ratio (one response for each request)	Number of meetings and meaningful communications _____ Number of cutblocks where specific actions were requested taken ____ Number of written requests for communication ____ Number of responses made ____
13	Area (ha) where soil disturbance commitments were not achieved as compared to the total gross area (ha) harvested during the reporting year. Licensee performance will be guided by internal and MOF inspections. Reports will use DM determinations or violation tickets, to confirm whether soil disturbance levels were met.	Number of hectares where soil disturbance commitments were not achieved: _____ Total gross area harvested during the reporting year (ha): _____
14	Average time for road cut and fill slope seeding application on areas of new road construction during the reporting year.	Average time for application (months) _____

Tar #	Monitoring parameter	Monitoring results
15	Total number of kilometers of status roads and the number of those that have been assigned a risk rating for the purpose of inspections. Licensees will also report on the number of road inspections made against the plan for high, moderate and low risk.	Total number of kilometers of status roads: _____ Of the above, how many kilometers of status roads have been assigned a risk rating for the purpose of inspections: _____ Number of road inspections made against the plan for high_____, moderate_____ and low risk _____.
16	Did you contribute to the annual plan? Did you participate in a meeting with the SFM Advisory Group?	Yes _____ No _____ Yes _____ No _____
17	Number of registrations to a recognized third party certification that apply over the TSA area for the reporting period.	Number of registrations to a third party certification _____
18	Licensee report the current Protected Area status as last reported by a Timber Supply Review	Number of hectares maintained as Protected Areas (data to come from current TSR).
19	Percent of ranchers affected by planned operations that were communicated with during the reporting period. Variance: Minus 10 percent of the 90 percent target	Number of affected ranchers _____ Number of affected ranchers communicated with (and type of communication) during reporting period_____
20	Number of harvested blocks that achieve the visual intent as described in plans versus the number of blocks harvested within the past year that had preservation, retention or partial retention visual quality objectives.	Number of blocks with preservation, retention or partial retention achieving visual intent _____ Number of blocks harvested with VQOs: _____
21	Licensee report the current mai as last reported by a Timber Supply Review	Current mai in m3/ha/yr (data to come from current TSR).

Tar #	Monitoring parameter	Monitoring results
22	Licensee report the current age class distribution as last reported by a Timber Supply Review	Age class as percent of timber harvesting land base (data to come from current TSR).
23	Number of working relationships with applicable First Nations (partnerships, joint ventures, co-operative agreements, memorandums of understanding, or business contracts* over $5,000 or over 500 cubic meters in volume) during the reporting year. **Examples of a business contract include a work agreement or a direct timber sale with a First Nation Band or First Nation Contractor. For consistency in reporting, count multiple work agreements with one band or contractor or direct sales with one band or contractor as a single business contract. For example, multiple work agreements or multiple direct sales would count as a single business contract if they occurred with the same band or contractor.*	Number of working relationships _____
24	Number of classroom or field visits during the reporting year.	Number of classroom or field visits in current year _____
25	Licensees will report on the number of cutblocks where an AOA was conducted. Licensees will report on the number of cutblocks where the AOA included a field visit.	Yes _____ No _____
26	Survey responses coded 1 (poor), 2, 3 (satisfactory), 4, 5 (well done) Results of feedback form compiled and reported as part of annual monitoring program.	Response average ___ Results of feedback form compiled and reported ____ yes____ no

Tar #	Monitoring parameter	Monitoring results
27	27a: Licensees will report a yes/no answer as to whether the web site is being maintained, and whether SFMP and other information was made publicly available in the last year. Similar to Indicator 28 27b: Licensees will report on the number of responses sent out by licensees compared to the number of written requests for communication. Report the average timeline for response. Indicator 28	Web site is being maintained ___ Yes, ___ No SFMP and other information was made publicly available in the last year ___ Yes, ___ No Number of written requests for communication _____ Number of responses ___ Average timeline for response ____ days
28	28a) • Were licensee interests represented at LRMP meetings? • Number of LRUP meeting attended against the number held within their operating area. Variance: Minus 10 percent to plus 30 percent of the 70 percent target • Number of FDP review meetings attended • Number of community meetings held or attended for the reporting period. 28b) Number of responses sent out by licensees compared to the number of written requests from the public for communication. Include average time for response.	Yes _____ No _____ Number of LRUP meetings attended _____ Number of LRUP meetings held _____ Number of FDP review meetings attended _____ Number of community meetings attended _____ Number of responses from Licensee _____ Number of written requests from public _____ Average response time (in days) _____

Tar #	Monitoring parameter	Monitoring results
29	29a) Are licensees directly or indirectly represented on the Forest Research Extension Partnership? 29b) Are TSA wide research results shared with members of the Public Advisory Group on an annual basis? Describe the type of research undertaken and its value and applicability to sustainable forest management.	Yes _____ No _____ Yes _____ No _____ Research: _____ Value and applicability to SFM: _____ _____ _____ _____ _____ _____